

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Serial Number:

Application Filed:

Applicant(s): KREAM, Richard M.

Title: Method of Transporting a Chimeric Hybrid Molecule Across the Blood
Brain Barrier

Art Unit:

Examiner:

INFORMATION DISCLOSURE STATEMENT

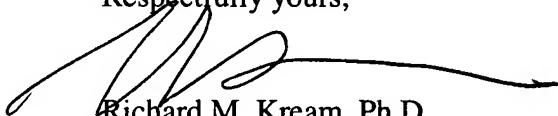
November 14, 2003

Commissioner of Patents
United States Patent and Trademark Office
Washington, DC 20231

Sir:

Pursuant to Rule 98(d), the references listed on the attached Forms SB/08 are not enclosed since these were supplied in the parent case, Ser. No. 10/134,187.

Respectfully yours,



Richard M. Kream, Ph.D.
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Fax: 212-344-4294

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Richard M. Kream, Ph.D.
Applicant

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control number.		Complete if Known	
Substitute for form 1449A/PTO		Application Number	10/134,187
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>		Filing Date	04/26/2002
		First Named Inventor	KREAM, RICHARD M.
		Art Unit	1614
		Examiner Name	
		Attorney Docket Number	
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OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s) publisher city and/or country where published	T ²
		REULER, et al., <i>The Chronic Pain Syndrome: Misconceptions & Management</i> , ANN INTERN MED. 93:588-596 (1980)	
		SRIWATANKUL, et al, <i>Analysis of Narcotic Analgesic usage in the Treatment of Postoperative Pain</i> , JAMA 250:926-929 (1983)	
		SCHECHTER, <i>Pain & Pain Control in Children</i> , CURRENT PROBLEMS IN PEDIATRICS 15 (1985)	
		GOODMAN & GILMAN, <i>The Pharmacological Basis of Therapeutics</i> 511 (7 th ed. 1985)	
		FORAN, et al, <i>A Substance P-opioid chimeric peptide as a unique nontolerance-forming analgesic</i> , 97 PNAS 13:7521-26 (2001)	
		EGELETON, et al, <i>Transport of Opioid Peptides into the Central Nervous System</i> , J PHARM SCI 1998, 87(11):1433-39	
		BORCHARD, <i>Optimizing oral absorption of peptides using prodrug strategies</i> , J CONTROL RELEASE 1999; 62(1-2):231-38	
		STAIN-TEXIER, <i>Elevated concentrations of morphine 6-beta-D-glucuronide in brain extracellular fluid despite low blood-brain barrier permeability</i> , BR J PHARMACOL 1999; 128(4):917-24	
		MERRIFIELD, <i>Solid Phase Synthesis</i> , SCIENCE 232: 241-47 (1986)	
		BARANY, et al, <i>Solid-phase peptide synthesis; a silver anniversary report</i> , INT'L J PEPTIDE PROTEIN RES 30:705-39 (1987)	
		KENT, <i>Chemical Synthesis of Peptides and Proteins</i> , ANN REV BIOCHEM 57:857-989 (1988)	

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		KAISER, et al, <i>Peptide & Protein Synthesis by Segment Synthesis-Condensation</i> , SCIENCE 243:187-98 (1989)	
		KREAM, <i>Substance P markedly potentiates the antinociceptive effects of morphine sulphate administered at the spinal level</i> , 90 PNAS 5564-68 (1993)	
		MASCZYN SKA, et al, <i>Alternative forms of interaction of substance P and opioids innocicpetive transmission</i> , LTRS PEPTIDE SCI 298, 5:395-98 (1998)	
		MASCZYN SKA, et al, <i>Dual Functional Interactions of Substance P Opioids in Nociceptive Transmission</i> , ANALGESIA 3:259-68 (1998)	
		WATSON, et al, <i>Tissue Selectivity of Substance P Alkyl Esters Suggesting Multiple Receptors</i> , EURO J PHARMACOL 87:77-84 (1983)	
		SIZHENG, et al, <i>Opioid and neurokinin activities of substance P fragments and their analogs</i> , EURO J PHARMACOL 193:209-15 (1991)	
		LIPKOWSKI, et al, <i>An Approach to the Self Regulatory Mechanism of Substance P Actions</i> , 33 LIFE SCIENCES 141-44 (1983)	
		FORAN, et al, <i>Inhibition of Morphine tolerance Development by a Substance P-Opioid Peptide Chimera</i> , J PHARMACOL & EX THERA 295:3:1142-48 (2000)	
		LIPKOWSKI, et al, <i>Opioid Peptide Analogues: Reconsideration as a Potentially New Generation of Analgesics</i> , POLISH J CHEM, 68:907-12 (1994)	
		MISTEREK, et al, <i>Spinal Co-Administration of Peptide Substnace P Antagonist Increases Antinociceptive Effect of the Opioid Peptide Biphalin</i> , 14 LIFE SCIENCES, 14:939-44 (1994)	
		FORAN, et al, <i>Chimeric Peptide for the Treatment of Acute & Chronic Pain</i> , ANESTHESIOLOGY 91:3A:A944 (1999)	

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		LIPKOWSKI, ET AL, Neuropeptides: Peptide and Nonpeptide Analogs, PEPTIDES: SYNTHESIS, STRUCTURES AND APPLICATIONS. 1995, PP 287-320. ACADEMIC PRESS.	

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This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.